ASP.NET Workshop - "Routing"

Learning Outcome

1. To practice modifying the default controller (Exercise 1)
2. To practice creating a Convention-based route (Exercise 2)
3. To practice creating an Attribute-based route (Exercise 3)

Exercise 1

1. Create a *File* controller
2. Modify the default route such that default controller is "File" and default action is *Image*
3. Place any JPG or PNG image into the /App_Data folder
4. Write code in the *Image* action method such that it only returns that image
5. You can use *File(Server.MapPath(<image_relative_location>))* to serve that image
6. The mine type for a JPG file is "image/jpeg" while a PNG's is "image/png"
7. Verify that pointing your browser to "localhost:<port>" shows that image

Exercise 2

1. Create a *Report* controller
2. In the *Report* controller, create a Staff action method like so:

```
public ActionResult Staff(int id, string name)
{
    return View();
}
```

3. The URL to access this action method is
   localhost:<port>/Report/Staff/2/Glendon

4. Create a **Convention-based** route such that the above URL produces a corresponding Staff view (mock-up)
5. Direct your browser to that URL to view the Staff view

Exercise 3

1. In the *Report* controller, create a *Department* action method like so:

```
public ActionResult Department(string name)
{
    return View();
}
```

2. The URL to access this action method is
   localhost:<port>/Department/CompSci/ListStaff
3. Create an **Attribute-based** route such that the above URL produces a corresponding Department view (mock-up)
4. Direct your browser to that URL to view the Department view